

## Environmental Protection Agency

## § 243.203-1

(c) The equipment used in the compaction, collection, and transportation of solid waste (or materials which have been separated for the purpose of recycling) shall be constructed, operated, and maintained in such a manner as to minimize health and safety hazards to solid waste management personnel and the public. This equipment shall be maintained in good condition and kept clean to prevent the propagation or attraction of vectors and the creation of nuisances.

(d) Collection equipment used for the collection, storage, and transportation of solid waste (or materials which have been separated for recycling) must meet the standards established by the American National Standards Institute as follows: Mobile Refuse Collection and Compaction Equipment—Safety Requirements, 1992, American National Standards Institute, ANSI Z245.1-1992; and Stationary Compactors—Safety Requirements, 1997, American National Standards Institute, ANSI Z245.2-1997.

(1) The Director of the Federal Register approves this incorporation by reference in accordance with 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You may obtain a copy from American National Standards Institute, 11 W. 42nd Street, New York, NY 10036. You may inspect a copy at the Environmental Protection Agency's RCRA Information Center, 1235 Jefferson Davis Highway, Arlington, VA or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: [http://www.archives.gov/federal\\_register/code\\_of\\_federal\\_regulations/ibr\\_locations.html](http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html).

In the procurement of new collection equipment before the effective dates of ANSI Z245.1, equipment which meets the standards shall be obtained if available.

[41 FR 6769, Feb. 13, 1976, as amended at 64 FR 70606, Dec. 17, 1999; 69 FR 18803, Apr. 9, 2004]

### § 243.202-2 Recommended procedures: Design.

(a) Whenever possible, enclosed, metal, leak-resistant compactor vehi-

cles should be used for the collection of solid wastes.

(b) Safety devices, including, but not limited to, the following should be provided on all collection vehicles:

- (1) Exterior rear-view mirrors.
- (2) Back-up lights.
- (3) Four-way emergency flashers.
- (4) Easily accessible first aid equipment.
- (5) Easily accessible fire extinguisher.

(6) Audible reverse warning device.

(c) If crew members ride outside the cab of the collection vehicle for short trips the vehicle should be equipped with handholds and platforms big enough to safeguard against slipping.

(d) Vehicle size should take into consideration: Local weight and height limits for all roads over which the vehicle will travel; turning radius; and loading height in the unloading position to insure overhead clearance in transfer stations, service buildings, incinerators, or other facilities.

(e) Engines which conserve fuel and minimize pollution should be used in collection vehicles to reduce fuel consumption and air pollution.

### § 243.202-3 Recommended procedures: Operations.

(a) Collection vehicles should be maintained and serviced according to manufacturers' recommendations, and receive periodic vehicle safety checks, including, but not limited to, inspection of brakes, windshield wipers, tail-lights, backup lights, audible reverse warning devices, tires, and hydraulic systems. Any irregularities should be repaired before the vehicle is used. Vehicles should also be cleaned thoroughly at least once a week.

(b) Solid waste should not be allowed to remain in collection vehicles over 24 hours and should only be left in a vehicle overnight when this practice does not constitute a fire, health, or safety hazard.

### § 243.203 Collection frequency.

#### § 243.203-1 Requirement.

Solid wastes (or materials which have been separated for the purpose of

recycling) shall be collected with frequency sufficient to inhibit the propagation or attraction of vectors and the creation of nuisances. Solid wastes which contain food wastes shall be collected at a minimum of once during each week. Bulky wastes shall be collected at a minimum of once every 3 months.

**§ 243.203-2 Recommended procedures: Operations.**

(a) The minimum collection frequency consistent with public health and safety should be adopted to minimize collection costs and fuel consumption. In establishing collection frequencies, generation rates, waste composition, and storage capacity should be taken into consideration.

(b) When solid wastes are separated at the point of storage into various categories for the purpose of resource recovery, a collection frequency should be designated for each waste category.

**§ 243.204 Collection management.**

**§ 243.204-1 Requirement.**

The collection of solid wastes (or materials which have been separated for the purpose of recycling) shall be conducted in a safe, efficient manner, strictly obeying all applicable traffic and other laws. The collection vehicle operator shall be responsible for immediately cleaning up all spillage caused by his operations, for protecting private and public property from damage resulting from his operations, and for creating no undue disturbance of the peace and quiet in residential areas in and through which he operates.

**§ 243.204-2 Recommended procedures: Operations.**

(a) Records should be maintained detailing all costs (capital, operating, and maintenance) associated with the collection system. These records should be used for scheduling maintenance and replacement, for budgeting, and for system evaluation and comparison.

(b) The collection system should be reviewed on a regular schedule to assure that environmentally adequate, economical, and efficient service is maintained.

(c) Solid waste collection systems should be operated in a manner designed to minimize fuel consumption, including, but not limited to, the following procedures.

(1) Collection vehicle routes should be designed to minimize driving distances and delays.

(2) Collection vehicles should receive regular tuneups, tires should be maintained at recommended pressures, and compaction equipment should be serviced regularly to achieve the most efficient compaction.

(3) Compactor trucks should be used to reduce the number of trips to the disposal site.

(4) When the distance or travel time from collection routes to disposal sites is great, transfer stations should be used when cost effective.

(5) Residential solid waste containers which are serviced manually should be placed at the curb or alley for collection.

(6) For commercial wastes which do not contain food wastes, storage capacity should be increased in lieu of more frequent collection.

**APPENDIX TO PART 243—RECOMMENDED BIBLIOGRAPHY**

1. American National Standard Z245.1. Safety standard for refuse collection equipment. New York. The American National Standards Institute.
2. Decision-Makers guide in solid waste management. Environmental Protection Publication SW-127. Washington, U.S. Government Printing Office, 1974.
3. Grupenhoff, B. L., and K. A. Shuster. Paper and plastic solid waste sacks; a summary of available information; a Division of Technical Operations open-file report (TO 18.1.03.1). [Cincinnati], U.S. Environmental Protection Agency, 1971. 17 p. [Restricted distribution].
4. Hegdahl, T. A., Solid waste transfer stations; a state-of-the-art report on systems incorporating highway transportation, U.S. Environmental Protection Agency, 1972, 160 p. (Distributed by National Technical Information Service, Springfield, Virginia, as PB 213 511).
5. National Sanitation Foundation standard no. 31 for polyethylene refuse bags. Ann Arbor, The National Sanitation Foundation, May 22, 1970. 6 p.
6. National Sanitation Foundation standard no. 32 for paper refuse sacks. Ann Arbor, The National Sanitation Foundation, Nov. 13, 1970. 6 p.